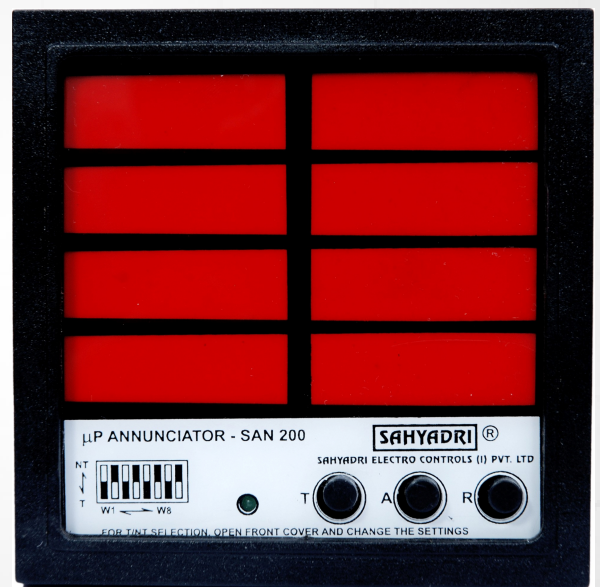


SAHYADRI ELECTRO CONTROLS (I) PVT. LTD.

SECO



ANNUNCIATOR – 96 sq. mm

10, VINAY COMPLEX, 1ST CROSS, RAJGOPAL NAGAR MAIN ROAD, GANAPATHI NAGAR,
PEENYA III PHASE, BANGALORE – INDIA - 560058

Mail: mkt@secoindia.co.in & sales@secoindia.co.in, Web: www.secoindia.co.in



SAHYADRI (SECO) Make Alarm Annunciator –96 Sq. mm is designed with Microcontroller based advance technology with field proven model for all types of fields and environmental conditions. This model is Type tested for all EMI, EMC tests, Temperature rise and Cold test at a NABL accredited Govt. Lab. Annunciator is approved and used in all Power Grids, Electricity Boards and OEM's in India.

FEATURES:-

- Advanced high speed Single Chip Microcontroller with reliability and accuracy
 - Available in 4 windows and 8 windows
 - Low power consumption
 - Long life super bright SMD LED
 - Wide range AC/ DC Aux. supply
 - Contacts for external Alarms
 - Opto isolated inputs
 - Field selectable Trip & Non trip
 - Field selectable NO/NC inputs
 - Provision for External Push buttons for Test, Accept & Reset
 - Built in Push buttons – Test, Accept & Reset
 - Potential free input contacts
 - Two sets of potential free normally open contacts for audible Alarms (T & NT)
 - Watch dog LED with Flashing
 - Shock proof shrouded terminals
 - Low depth
- 

TECHNICAL SPECIFICATION:-

- **Windows available :-4 and 8 window unit**
- **Aux. supply:1)** 10 to 18 V DC **2)**20 to 150V DC **3)**75 to 275V AC/DC
- **Window illumination:** Ultra high bright SMD LED
- **Window Colour:** All Red, Red/ Yellow (factory set colour)
- **Window size:** For 4 window:- 28 (H) X 38 (W) mm
For 8 window:- 13 (H) X 38 (W) mm
- **Window Flash rate:** 60 flashes per minute
- **Window Legend(Inscription):** Tracing sheet print
- **Power consumption :** 0.8W per window
- **Field input:** potential free protective relay Normally open contact (with potential is optional)
- **Input interrogation Voltage:** 24V DC (from the unit) – No external voltage required
- **Input Field contacts:** Normally open contact(site selectable NO/NC selection is optional)
- **Input Isolation:** Opto isolated (2 kv) (from internal circuits)
- **Response Time:** 20 mSec (other response time upon request)
- **Sequence of operation:** Normal Mode/ Manual Reset
- **Output Contact:** 1 NO contact for Trip Alarm, 1 NO contact for Non Trip Alarm
- **Output contact Rating:** 10A@30V DC/ 230V AC resistive load (make & carry)
- **Push buttons:** Inbuilt push buttons for Test, Accept & Reset and also terminals provided for external PB's
- **Enclosure:** FR Grade ABS plastic
- **Protection:** Front: IP55 , Back: IP20
- **Panel cutout:** 92 x 92 mm
- **Depth:** 120mm

Sequence of operation – Working Mode

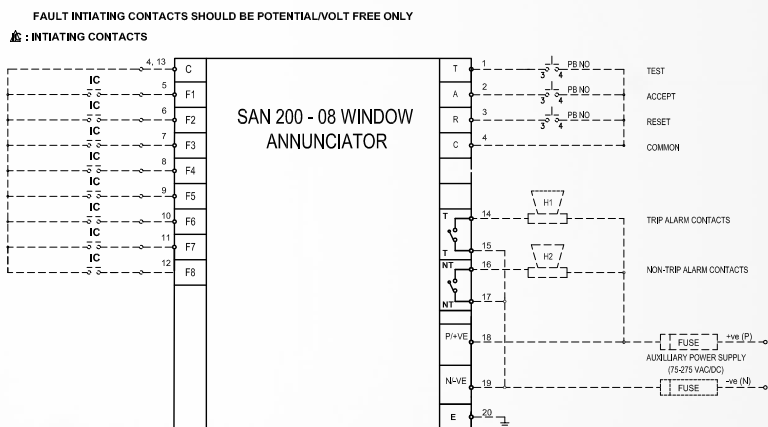
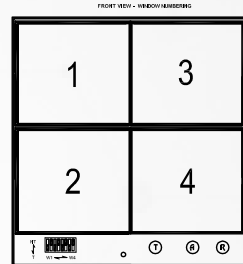
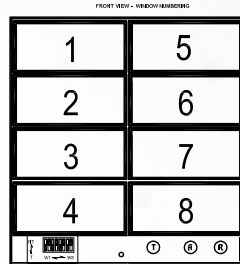
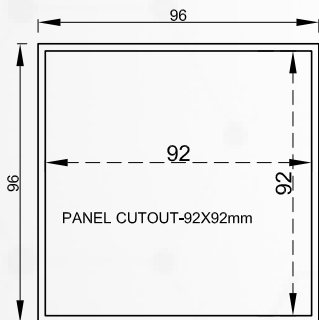
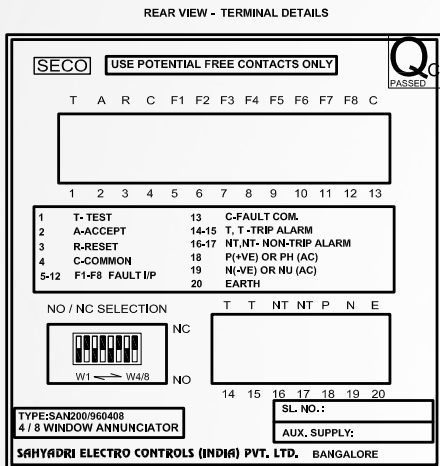
MANUAL/ NORMAL MODE:-

CONDITION	MANUAL ACTION	WINDOW STATUS	ALARM CONTACT STATUS
NORMAL		OFF	OPEN
ABNORMAL		FLASHING	CLOSED
	ACCEPT	STEADY ON	OPEN
NORMAL AFTER RESET	RESET	OFF	OPEN
ABNORMAL AFTER RESET	RESET	FLASHING	CLOSED
NORMAL	RESET	OFF	OPEN
TEST		FLASHING	CLOSED

Standard Compliance :-

- Initiation Test : As per Manufacturer spec.
- Burden test : As per Manufacturer spec.
- Dielectric Test: As per IS 3231
- Aux. supply Variation Test: As per Manufacturer Spec.
- Electromagnetic radiation disturbance measurement test :
AS per CISPR11 : 2010 Class A
- Electrostatic discharge Immunity : As per IEC 61000 -4-2-2008
- Electrical fast transient / burst immunity: As per IEC 61000-4-4-2012
- Surge immunity : As per IEC-4-5-2-14 Conducted Disturbances
induced by RF Fields: IEC 61000-4-6-2013
- Voltage Dips : As per IEC 61000-4-11-2004
- Impulse Test :As per manufacturer spec.
- Dry Heat Oven test : As per IEC 60255-1-2009 CL 6.12.3.1
- Cold test : As per IEC 60255-1-2009 CL 6.12.3.2

WIRING AND PANEL CUTOUT DRAWING



ALL DIMENSIONS ARE IN MM.

DRAWN BY	HSV	REV. NO.	0	ISSUED ON	08.10.18		DRAWING TITLE:	CUTOUT DETAILS AND WIRING DIAGRAM OF SAN200	DRG NO.	SH.NO	01	SECO
APPD. BY	BSM			DRAWN ON	08.10.18		96X96 4/8 WINDOW ANNUNCIATOR	SECO/AD/96048M	CONTD.	-		

SIDE VIEW



BACK VIEW



SAHYADRI®

ISO 9001:2015 Certified



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